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SEQUENCE LISTING

<110> New England Biolabs, Inc.
Vaisvila, Romualdas
Morgan, Richard D.
Raleigh, Elisabeth

<120> Restriction Enzyme Gene Discovery Method

<130> Gene Discovery Method

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<220> Description of Unknown Organism: Genomic DNA of
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

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<210> 5
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 5
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ttaaccaagc gttaggt 77

<210> 6
<211> 87
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 6
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gcagcggccgg ttagctctac gttaggc 87

<210> 7
<211> 88
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 7
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gcggccgccc cttagccaaa cgtaggt 88

<210> 8
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 8
acctaacaat gcgctcaact gccgctcaact tcgttcgctg gactcgcaaa agctgcgc 60
ttgctcgccc gttagctaa tcgttaggt 89

<210> 9
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 9
acctaacaat gcgctcaact gccgctcaact tcgttcgctg gacagtcaaa agctgcgc 60
ttgcctgccc gttagctaa tcgttaggc 89

<210> 10
<211> 76
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 10
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agcttaatcg ttaggt 76

<210> 11
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 11
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ttaaccaaac gttaggc 77

<210> 12
<211> 76
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 12
gcctaacaat tggctcaagt cgttcgcttc gctcactcg gaccggcgaa gccggccct 60
76
tagccaaacg ttaggt

<210> 13
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 13
acctaacaat ggcgctcaact gccgctcact tcgttcgctg gacagtcaaa agctgcgctt 60
89
ttgcctgccc gttagcttaa tcgttaggc

<210> 14
<211> 76
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 14
gcctaacaag tggtaaaac cgttcgcttc gctcactggg acgggctaaa gcccgccct 60
76
taacccaaacg ttaggc

<210> 15
<211> 89
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 15
ctctaacaat ggcgctcaact atcgctcact tcgttcgctg gactcgcaaa agctgcgctt 60
89
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<210> 16
<211> 77
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 16
ttataacaat gcgctcaa at cgttcgcttc gctcactggg acgggctaaa gcccggccct 60
tagcttaatc gttaaat 77

<210> 17
<211> 89
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 17
at ttaacaat gcgctcaact gtcgctca ct tcgttcgctg gacagccaaa agctgcgctt 60
ttgtctgccc gttagctaa tcgttaggg 89

<210> 18
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 18
ccctaacaaaa tggttcaaag ccgttcgctt cgctcactcg ggaccggcta aagccggccc 60
cttaaccaaaa cgttagag 78

<210> 19
<211> 77
<212> DNA
<213> Unknown

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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 19
ctctaacaaaa tggttcaagt cgctcgcttc gctcactcgg gaccggctaa agccggccccc 60
ttaaccaaac gttaggg 77

<210> 20
<211> 88
<212> DNA
<213> Unknown

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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 20
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88
tgctcgccgg ttagctaaaa cgtaggc

<210> 21
<211> 77
<212> DNA
<213> Unknown

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<400> 21
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77
ttaaccaaac gtttaggg

<210> 22
<211> 77
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 22
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77
ttaaccaaac gtttaggc

<210> 23
<211> 78
<212> DNA
<213> Unknown

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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 23
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78
cttaaccaaaa cgtaggt

<210> 24
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 24
acctaacaat tggttcaagt cgttcgcttc gctcactcgg gaccggctaa agccggccccc 60
77
ttaaccaaac gtttaggc

<210> 25
<211> 76
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 25 60
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taaccaaacg ttaggt

<210> 26
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 26 60
gccttaacaat gcgttcaagt cgttcgcttc actcactcg gaccggctaa agccggcccc 77
ttaaccaaac gtttaggt

<210> 27
<211> 90
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 27 60
acctaacaaa cggttcaagt tcgttcgctt cgctcactcc ggacgccccgc aagctacgct 90
cgcggcgcc ccttaacctg tccgttaggc

<210> 28
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 28 60
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ttggccgccc gttagcttaa ccgttatgt

<210> 29
<211> 89
<212> DNA

<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 29
acataacaat gcgctcaact gccgctcaact tcgttcgctg gacagccaaa agctacgctt 60
ttgcctgccc gttagctaa tcgtaggc 89

<210> 30

<211> 89

<212> DNA

<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 30
gcctaacaag tcgctcaact gccgctcaact ccgttcgctg gacagccaaa agctgcgctt 60
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<210> 31

<211> 89

<212> DNA

<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 31
gcctaacaat gcgctcaact atcgctcaact ccgttcgctg gacgtccaaa agctgcgctt 60
ttggccgccc gttagctaa tcgtaggc 89

<210> 32

<211> 76

<212> DNA

<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 32
gcctaacaac tggtaaagc cactcgcttc gctcgctcg gaccgcgtac cgccggccct 60
taacccaaacg ttgggc 76

<210> 33

<211> 78

<212> DNA

<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of

Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 33
gccccaaacaaa cggttcaaga ccgctcgctt tgctcgctcg ggaccggcta aaaccggccc 60
cttaaccaaa cgttaggg 78

<210> 34
<211> 75
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 34
gccttaacaaac tggttcaaat cgctcgctcc gctcgctggg accggcgaag ccggccccc 60
aaccaaacgt taggc 75

<210> 35
<211> 76
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 35
gccttaacaat gcgctcaaag cgctcacttc gttcgctggg accggcgaag ccggccccc 60
agcttaatcg ttaggt 76

<210> 36
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 36
acctaacaat gcgctcaact gtcgctcaact tcgttcgctg gacagtcaaa agctgcgtt 60
ttgcctgccc gttagctaa tcgttagcg 89

<210> 37
<211> 64
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 37
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<210> 38
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 38
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cttaaccaaa cgttaggc 78

<210> 39
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 39
gcctaacaaa tggttcaagt cgctcgcttc gtcattcg ggaccggctaa cgccggcccc 60
ttagcttaat cgttaggc 78

<210> 40
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 40
gcctaacaat aggttcaagt cgctcgcttc gtcacttg ggaccggctaa agccggcccc 60
ttaaccaaac gtttaggt 77

<210> 41
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 41
acctaactag tggttcaagc cgctcgcttc gtcactcg ggaccggctaa agccggcccc 60
ttaaccaaac gtttaggc 77

<210> 42
<211> 76

<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 42
atataacaat tggttcaaac cgttcgctgc gctcaactggg acgggctaaa gcccggccct 60
76
taaccaaacg ttatgc

<210> 43
<211> 87
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 43
gcataacaat tggctcaagc cgctcgctcc gctcaactcg acgtccgtaa gctacgcttc 60
87
cggccggccc ttagccaaac gtttaggg

<210> 44
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 44
ccctaacaat tggttcaaag ccgttcgctt cgctcaactcg ggaccggcta aagccggccc 60
78
cttaaccaaa cgtaggc

<210> 45
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 45
gcctaacaat gcgctcaact gccgctcaact tcgttcgctg gacagtcaaa agctgcgctt 60
89
ttgcctgccc gtttagctaa tcgttagag

<210> 46
<211> 77
<212> DNA
<213> Unknown

<220>

<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 46
ctcttaacaat gcgctcaa at cgctca tac ac gttcgctggg accggctaaa gccggccct 60
tagcttaatc gttagag 77

<210> 47
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 47
ctcttaacaat tgg tcaagt cg ttc gcttc gctca ctg cg ggaccggcta aagccggccc 60
cttaaccaaa cg ttaggg 78

<210> 48
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 48
cccttaacaaa tgg tcaagt cactcgcttc gctcg ttc gg gaccggctaa agccggcccc 60
ttaaccaaaac gttagag 77

<210> 49
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 49
ctcttaacaac tgg tcaagt cg ttc gcttc gctca ctg cg ggaccggcta aagccggccc 60
cttaaccaaaa cg ttaggc 78

<210> 50
<211> 88
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 50

atctaacaat tggctcaagt cgttcgcttc gctcactcg gacgtccaaat agctgcgcta 60
ttggccgccc cttagccaa cgtaggc 88

<210> 51
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 51
gcctaacaac tggctcaagt cgttcgcttc gctcactcg ggaccggcta aagccggccc 60
cttaacccaa cgtaggg 78

<210> 52
<211> 79
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 52
ccctaacaaa tggctcaagt cgttccgctt cgctcactgc gggaccggct aatgccggcc 60
ccttaacccaa acgttaggc 79

<210> 53
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 53
gcctaacaact gcagtcaacc ggacacccaa ctgtacgcag tttggttccc tccgctgcgc 60
tccggtgccg gttactttca acgttaggc 89

<210> 54
<211> 76
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 54
gcctaacaat gcgctcaaag cgctcacttc gttcgctggg accggcgaag ccggccctt 60
agcttaatcg ttagaa 76

<210> 55

<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 55
ttcttaactac tggttcaagt cgttcgcttc gctcactcg gaccggctaa agccggccccc 60
ttaaccaaac gttagcc 77

<210> 56
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 56
ggctaacaat gcgcgtcaact gtcgctcact tcgttcgctg gacagccaaa agctacgctt 60
ttgtctgccc gttagcttaa tcgttagga 89

<210> 57
<211> 76
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 57
gcctaacaac tggttcaagc cactcacttc gctcgctcg gaccgcgttc cgccggccccc 60
taaccaaacg ttgggc 76

<210> 58
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 58
gccccaaat gcgcgtcaact gccgcgtcact tcgttcgctg gacgtccaaa agctacgctt 60
ttggccgccc gttagcttaa tcgttatgc 89

<210> 59
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 59
gcataacaat tgattcaagt cgttcgcttc gctcaactgcg ggaccggcta aagccggccc 60
cttaaccaaa cgtaggc 78

<210> 60
<211> 76
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 60
gcctaactac tgggtcaagt cactcgcttc gctcggtcg gaccgcgttc cgccggccct 60
taacccaaacg ttaggc 76

<210> 61
<211> 76
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 61
atctaacaat tggctcaagt cgttcgcttc gctcaactcg gaccggcgaa gccggccct 60
tagccaaacg ttatgc 76

<210> 62
<211> 87
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 62
gcataacaat tggctcaagg cgctcgctcc gctcaactcg acgtccgtaa gctacgcttc 60
cggccggccc ttagccaaac gtttaggc 87

<210> 63
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 63
gcctaacaaa tggttcaagt cgttcgcttc gctcactcg gaccggctaa agccggcccc 60
ttaaccaaac gttaggc 77

<210> 64
<211> 72
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 64
gccttaactat tcagtcaagg ggacgcaaac cccgctgcgc ggtctttgcg ccgcattatct 60
caaggcttag at 72

<210> 65
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 65
atctaacatg tggttcaagg cgctcgcttc gctcactcg gaccggctaa agccggcccc 60
ttaaccaaac gttagag 77

<210> 66
<211> 76
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 66
ctcttaacaat tggttcaagg cgctcgcttc gctcgtcg gatcggcgaa gccggcacct 60
taaccaaacg tttagag 76

<210> 67
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 67
ctcttaacaat tggttcagat cgttcgcttc gctcactcg ggaccggctg aagccggccc 60
cttaaccaaac cgtaggc 78

<210> 68
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 68
gccttaactac tggtaaagt cgttcgcttc gctcactcg gaccggctaa agccggcccc 60
ttaaccaaac gtttaggc 77

<210> 69
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 69
gtctaacaat gcgctcaaag cgctcaattc gttcgctggg atcggctaaa gccggccccc 60
tagcttaatc gtttagca 77

<210> 70
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 70
tgctaacaat gcgcttaact gtcgctact tcgttcgctg gatagtcaaa agctgcgctt 60
ttgtctgtcc gttagcttaa tcgttaggc 89

<210> 71
<211> 74
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 71
gccttaacaac tggtaaatt cgctcgctcc gctcgctggg accggcatag ccggccctta 60
accaagcggtt agat 74

<210> 72
<211> 76
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 72
atctaacaat tggtaaaaac cgtcgcttc gtcactggg accggctaaa gccggccct 60
76
taaccaaacg ttaggt

<210> 73
<211> 76
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 73
gtttaacaac tggttcaagc cgtcgcttc gtcactcg gaccggctaa attcggcccc 60
76
tttagcaaacg ttaact

<210> 74
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 74
atctaacaat tggttcaagt cgtcgcttc gtcactcg gaccggctaa agccggccccc 60
78
ttaaaccaag cgttatgc

<210> 75
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 75
gtataacaat tggttcaagt cactcgcttc gtcgctcg gaccggctaa agccggccccc 60
77
ttaaccaaac gtttagat

<210> 76
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 76
 gcataacaag tcgctcaa at cgctcacttc gtttcgctgg gacgggctaa agcccgcccc 60
 77
 ttagcttatac gttaggc

<210> 77
 <211> 77
 <212> DNA
 <213> Unknown

<220>
 <223> Description of Unknown Organism: Genomic DNA of
 Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 77
 gcctaacaaa tggttcaagg cgttcgcttc gctcactcg gaccggctaa agccggcccc 60
 77
 ttaaccaaac gttagac

<210> 78
 <211> 77
 <212> DNA
 <213> Unknown

<220>
 <223> Description of Unknown Organism: Genomic DNA of
 Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 78
 ctctaacaaa tggttcaagg cgttcgcttc gctcactcg gaccggctaa agccggcccc 60
 77
 ttaaccaaac gttagag

<210> 79
 <211> 52
 <212> DNA
 <213> Unknown

<220>
 <223> Description of Unknown Organism: Synthetic
 Oligonucleotide based on Pseudomonas Alcaligenes
 NEB#585 (ATCC 55044)

<400> 79
 tcgcttcgct cactgcggga ccggctaaag ccggccctt aaccaaacgt ta 52

<210> 80
 <211> 43
 <212> DNA
 <213> Unknown

<220>
 <223> Description of Unknown Organism: Synthetic
 Oligonucleotide based on Pseudomonas Alcaligenes
 NEB#585 (ATCC 55044)

<400> 80
 taacaattgg ttcaagtgcgt tcgcttcgct cactgcggga ccg 43

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<210> 81
<211> 43
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
      Oligonucleotide based on Pseudomonas Alcaligenes
      NEB#585 (ATCC 55044)

<400> 81
      taactattca gtcaaggcggta cggcaaaccc gctgcgcggctt 43
      taactattca gtcaaggcggta cggcaaaccc gctgcgcggctt

<210> 82
<211> 43
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
      Oligonucleotide based on Pseudomonas Alcaligenes
      NEB#585 (ATCC 55044)

<400> 82
      taacaatgcgtc ctcaactgcttcacttcgt tcgctggaca gcc 43
      taacaatgcgtc ctcaactgcttcacttcgt tcgctggaca gcc

<210> 83
<211> 43
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
      Oligonucleotide based on Pseudomonas Alcaligenes
      NEB#585 (ATCC 55044)

<400> 83
      taacaatgcgtc ctcaactgcttcacttcgt tcgctggaca gcc 43
      taacaatgcgtc ctcaactgcttcacttcgt tcgctggaca gcc

<210> 84
<211> 19
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
      Oligonucleotide based on Pseudomonas Alcaligenes
      NEB#585 (ATCC 55044)

<400> 84
      gcccccttaac caaacgtta 19
      gcccccttaac caaacgtta

<210> 85
<211> 20
<212> DNA

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<213> Unknown	
<220>	
<223> Description of Unknown Organism: Synthetic	
Oligonucleotide based on Pseudomonas Alcaligenes	
NEB#585 (ATCC 55044)	
<400> 85	20
ccgagtgagc gaagcgagcg	
<210> 86	
<211> 33	
<212> DNA	
<213> Unknown	
<220>	
<223> Description of Unknown Organism: Synthetic	
Oligonucleotide based on Pseudomonas Alcaligenes	
NEB#585 (ATCC 55044)	
<400> 86	33
aaactcgagg gtcccgagtg agcgaagcga gcg	
<210> 87	
<211> 33	
<212> DNA	
<213> Unknown	
<220>	
<223> Description of Unknown Organism: Synthetic	
Oligonucleotide based on Pseudomonas Alcaligenes	
NEB#585 (ATCC 55044)	
<400> 87	33
aaactcgagg gtcccgagcg agcgaagcga gcg	
<210> 88	
<211> 33	
<212> DNA	
<213> Unknown	
<220>	
<223> Description of Unknown Organism: Synthetic	
Oligonucleotide based on Pseudomonas Alcaligenes	
NEB#585 (ATCC 55044)	
<400> 88	33
aaactcgagg ctgtccagcg agcgaagcga gcg	
<210> 89	
<211> 33	
<212> DNA	
<213> Unknown	
<220>	
<223> Description of Unknown Organism: Synthetic	

Oligonucleotide based on *Pseudomonas Alcaligenes*
NEB#585 (ATCC 55044)

<400> 89 33
aaactcgaga ccgcgcagcg gggtttgcgt ccg

<210> 90
<211> 31
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
Oligonucleotide based on *Pseudomonas Alcaligenes*
NEB#585 (ATCC 55044)

<400> 90 31
tgctctagac ggccccttaa ccaaacgtta g

<210> 91
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
Oligonucleotide based on *Pseudomonas Alcaligenes*
NEB#585 (ATCC 55044)

<400> 91 35
tgctctagac ggccgcccgt tagcttaatc gttag

<210> 92
<211> 60
<212> DNA
<213> Unknown

<220>
<223> Position 2 & 60 - Y = C or T; Position 51 & 59 -
R = A or G

<220>
<223> Description of Unknown Organism: Consensus
sequence

<400> 92 60
gyctaacaat tcgttcaagc cgacgcccgt tcgcggcgcg gcttaactca rgcgtttagry
gyctaacaat tcgttcaagc cgacgcccgt tcgcggcgcg gcttaactca rgcgtttagry

<210> 93
<211> 7
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
sequence

<220>
<223> Position 4, 5 & 6 - R = A or G; Position 7 - Y = C
or T

7

<400> 93
gttrrry

<210> 94
<211> 7
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
sequence

<220>
<223> Position 1 - R = A or G; Position 2, 3 & 4 - Y = C
or T

7

<400> 94
ryyyaac

<210> 95
<211> 6
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
sequence

<220>
<223> Position 5 - R = A or G; Position 6 - Y = C or T

6

<400> 95
ttagry

<210> 96
<211> 24
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

24

<400> 96
taacataaccc ctgcgttaaa cgtt

<210> 97
<211> 40
<212> DNA
<213> Unknown

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<220> Description of Unknown Organism: Consensus
<223> Sequence
<210> 97
<211> taacagtcaa cgtcctcgta ctgcgcctt acaacgttag
<212> DNA
<213> Unknown
40

<220> Description of Unknown Organism: Consensus
<223> Sequence
<210> 98
<211> 74
<212> DNA
<213> Unknown

<220> Description of Unknown Organism: Consensus
<223> Sequence
<210> 98
<211> ctaacaattg gttaagtcg ctcgcttcgc tcgctcgaa ccggctaaag ccggccctt
<212> 74
<213> aaccaaacgt tagg

<210> 99
<211> 19
<212> DNA
<213> Unknown

<220> Description of Unknown Organism: Genomic DNA Of
<223> Pseudomonas Alcaligenes NEB#585 (ATCC 55044)
19

<400> 99
<211> gccagatggc ggccgttta

<210> 100
<211> 5
<212> DNA
<213> Unknown

<220> Description of Unknown Organism: Genomic DNA Of
<223> Pseudomonas Alcaligenes NEB#585 (ATCC 55044)
5

<400> 100
<211> tctac

<210> 101
<211> 33
<212> DNA
<213> Unknown

<220> Description of Unknown Organism: Genomic DNA Of
<223> Pseudomonas Alcaligenes NEB#585 (ATCC 55044)
33

<400> 101
<211> gccctatgac agaaaacgct ttttgccgg ttt

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<210> 102	
<211> 10	
<212> DNA	
<213> Unknown	
<220>	
<223> Description of Unknown Organism: Genomic DNA Of	
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)	
<400> 102	10
ccaacgtccg	
<210> 103	
<211> 4	
<212> DNA	
<213> Unknown	
<220>	
<223> Description of Unknown Organism: Genomic DNA Of	
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)	
<400> 103	4
atag	
<210> 104	
<211> 9	
<212> DNA	
<213> Unknown	
<220>	
<223> Description of Unknown Organism: Genomic DNA Of	
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)	
<400> 104	9
tcatcgtcc	
<210> 105	
<211> 21	
<212> DNA	
<213> Unknown	
<220>	
<223> Description of Unknown Organism: Genomic DNA Of	
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)	
<400> 105	21
cccacgactt aacgcttgcc g	
<210> 106	
<211> 3	
<212> DNA	
<213> Unknown	
<220>	
<223> Description of Unknown Organism: Genomic DNA Of	
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)	

<400> 106
ata
<210> 107
<211> 28
<212> DNA
<213> Unknown
<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

3

<400> 107
tcagggaaaa ccgcgttttg ccgttcga

28

<210> 108
<211> 5
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

5

<400> 108
ctgaa

<210> 109
<211> 6
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

6

<400> 109
gatagg

<210> 110
<211> 4
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

4

<400> 110
tctaa

<210> 111
<211> 5
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

<400> 111
actaa

5

<210> 112
<211> 18
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

<400> 112
gccagatgtc ggccgttt

18

<210> 113
<211> 36
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

<400> 113
gcctctatga tagtaaaagc gctttttgt cggttt

36

<210> 114
<211> 6
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

<400> 114
cactga

6

<210> 115
<211> 5
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

<400> 115
aacta

5

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<210> 116
<211> 8
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
      Pseudomonas Alcaligenes NEB#585 (ATCC 55044) 8

<400> 116
ccatttggaa

<210> 117
<211> 30
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
      Sequence 30

<400> 117
taactactct cctcgagccg ccctccgtta

<210> 118
<211> 64
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
      Sequence

<400> 118
      60
ctaacatggc tcaagcttcg ctcactggga ccggctaaag ccggccctt aaccaaacgt 64
      tagg

<210> 119
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
      Sequence 77

<400> 119
      60
gcctaaacat tggttcaagc cggtcgcttc gctcactcg gaccggctaa agccggcccc 77
      ttaaccaaac gtttaggc

<210> 120
<211> 32
<212> DNA
<213> Unknown

<220>

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<223> Description of Unknown Organism: Consensus
 <223> Sequence
 <400> 120
 aacgtcaacc tccgtctggc cggccttacg tt 32

<210> 121
 <211> 50
 <212> DNA
 <213> Unknown

<220>
 <223> Description of Unknown Organism: Consensus
 <223> Sequence

<400> 121
 aacaggtca acctcctcg tctgggaccc cgccccccta ccaaacgttg 50

<210> 122
 <211> 77
 <212> DNA
 <213> Unknown

<220>
 <223> Description of Unknown Organism: Consensus
 <223> Sequence

<400> 122
 gcctaacaac tggttcaagt cgctcgcttc gctcgctcg gaccggctaa agccggcccc 60
 77
 ttaaccAACAC gttaggg

<210> 123
 <211> 45
 <212> DNA
 <213> Unknown

<220>
 <223> Description of Unknown Organism: Consensus
 <223> Sequence

<400> 123
 aacacgctaa ccgctcctcg tcgctggagc gcgttagcta cgtta 45

<210> 124
 <211> 75
 <212> DNA
 <213> Unknown

<220>
 <223> Description of Unknown Organism: Consensus
 <223> Sequence

<400> 124
 ctaacaatgc gctcaactcg ctcacttcgt tcgctggacc aaaagctcg ttttggcccc 60
 75
 ttagcttaat cgtta

<210> 125
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

<400> 125
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ttgcctgccc gttagctaa tcgtaggc 89

<210> 126
<211> 49
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

<400> 126
taacacgctc aacgtcctcg tcctggggca agccgcccctt agctcgta 49

<210> 127
<211> 64
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

<400> 127
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tttag 64

<210> 128
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

<400> 128
gcctaacaat gcgctcaaag cgctcaacttc gttcgctggg accggctaaa gccggcccctt 60
tagcttaatc gttaggt 77

<210> 129
<211> 78
<212> DNA
<213> Unknown

<220>

<223> Description of Unknown Organism: Consensus
Sequence

<400> 129

gccttaacaat tggttcaagg tcgctcgctt cgctcactcg ggaccggcta aagccggccc 60
cttaaccaaa cgttaggc 78

<210> 130

<211> 78

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Consensus
Sequence

<400> 130

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cttaaccaaa cgttaggc 78